

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Douglas J. Woodnorth et al.
Serial No. : 10/042,750
Filed : May 22, 2002
Title : BATTERY CATHODE

Art Unit : 1745
Examiner :

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

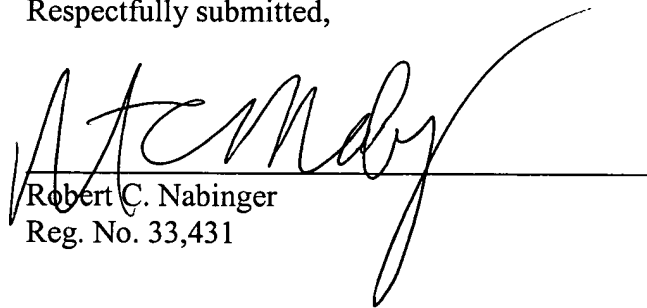
Applicants submit the references listed on the attached form PTO-1449, copies of which are not enclosed.

Under 35 U.S.C. § 120, this application is a continuation and relies on the earlier filing date of U.S. application serial no. 09/378,324, filed August 20, 1999, which is a continuation of U.S. application serial no. 09/054,928, filed April 3, 1998, abandoned, which is a continuation-in-part of U.S. application serial no. 09/001,822, filed December 31, 1997, abandoned. The following references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application.

This statement is being filed before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: March 11, 2003


Robert C. Nabinger
Reg. No. 33,431

Fish & Richardson P.C.
225 Franklin Street
Boston, Massachusetts 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906
20515035.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

March 11, 2003

Date of Deposit


Signature

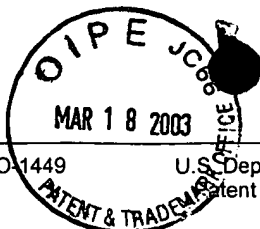
Sherry L. Hunt

Typed or Printed Name of Person Signing Certificate

RECEIVED

APR 16 2003

OFFICE OF PETITIONS



Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08935-035004	Application No. 10/042,750
	Applicant Douglas J. Woodnorth et al.		
	Filing Date May 22, 2002	Group Art Unit 1745	

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,118,426	09/2000	Albert			
	AB	6,084,380	09/2000	Burton			
	AC	5,686,204	11/11/97	Bennett et al.			
	AD	5,674,644	10/07/97	Nazri			
	AE	5,660,953	08/26/97	Bai et al.			
	AF	5,654,112	08/05/97	Itou et al.			
	AG	5,652,043	07/29/97	Nitzan			
	AH	5,639,576	06/17/97	Lewis et al.			
	AI	5,626,988	05/06/97	Daniel-Ivad et al.			
	AJ	5,610,511	03/1997	Parker			
	AK	5,607,796	03/04/97	Jacus et al.			
	AL	5,604,057	02/18/97	Nazri			
	AM	5,585,208	12/17/96	Lian et al.			
	AN	5,571,640	11/05/96	Takeuchi et al.			
	AO	5,569,561	10/29/96	Exnar et al.			
	AP	5,569,558	10/29/96	Takeuchi et al.			
	AQ	5,561,006	10/01/96	Lecerf et al.			
	AR	5,556,720	09/17/96	Charkey			
	AS	5,514,488	05/07/96	Hake et al.			
	AT	5,489,493	02/06/96	Urry			
	AU	5,489,492	02/06/96	Asami et al.			
	AV	5,482,798	01/09/96	Mototani et al.			
	AW	5,464,709	11/07/95	Getz et al.			
	AX	5,460,902	10/1995	Parker et al.			
	AY	5,455,125	10/03/95	Matsumoto et al.			
	AZ	5,453,336	09/26/95	Adler et al.			
	AAA	5,424,145	06/13/95	Tomantschger et al.			

RECEIVED

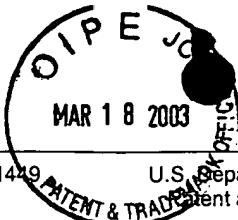
APR 16 2003

OFFICE OF PETITIONS

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08935-035004	Application No. 10/042,750
	Applicant Douglas J. Woodnorth et al.		
	Filing Date May 22, 2002	Group Art Unit 1745	

U.S. Patent Documents

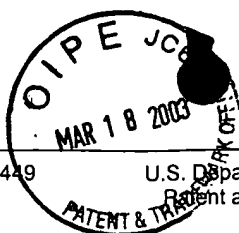
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BA	5,419,987	05/30/95	Goldstein et al.			
	BB	5,397,503	03/1995	Yuasa et al.			
	BC	5,389,470	02/1995	Parker et al.			
	BD	5,378,562	01/03/95	Passaniti et al.			
	BE	5,348,726	09/20/94	Wang et al.			
	BF	5,340,666	08/23/94	Tomantschger et al.			
	BG	5,336,571	08/09/94	Tomantschger et al.			
	BH	5,318,866	06/07/94	Degen et al.			
	BI	5,308,714	05/03/94	Crespi			
	BJ	5,308,711	05/03/94	Passaniti et al.			
	BK	5,302,475	04/12/94	Adler et al.			
	BL	5,285,299	02/1994	Drazaic et al.			
	BM	5,283,139	02/01/94	Newman et al.			
	BN	5,281,497	01/25/94	Kordesch et al.			
	BO	5,277,890	01/11/94	Wang et al.			
	BP	5,225,104	07/1993	VanSteekiste et al.			
	BQ	5,219,685	06/15/93	Taniguchi et al.			
	BR	5,215,836	06/01/93	Eisenberg			
	BS	5,204,195	04/20/93	Tomantschger et al.			
	BT	5,202,063	04/1993	Andrews et al.			
	BU	5,162,169	11/10/92	Tomantschger et al.			
	BV	5,156,934	10/20/92	Kainthia et al.			
	BW	5,132,177	07/21/92	Kawano et al.			
	BX	5,112,705	05/12/92	Hunter et al.			
	BY	5,108,852	04/28/92	Tomantschger et al.			
	BZ	5,069,988	12/03/91	Tomantschger et al.			
	BAA	5,051,323	09/24/91	Murphy			

RECEIVED**APR 16 2003****OFFICE OF PETITIONS**

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08935-035004	Application No. 10/042,750
	Applicant Douglas J. Woodnorth et al.		
	Filing Date May 22, 2002	Group Art Unit 1745	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	CA	5,026,617	06/25/91	Kosaka et al.			
	CB	5,011,752	04/30/91	Kordesch et al.			
	CC	4,977,045	12/11/90	Mohri			
	CD	4,959,282	09/25/90	Dahn et al.			
	CE	4,957,827	09/18/90	Kordesch et al.			
	CF	4,942,101	07/17/90	Audebert et al.			
	CG	4,894,296	01/16/90	Borbely et al.			
	CH	4,869,980	09/26/89	Jarvis et al.			
	CI	4,778,737	10/18/88	Sehm			
	CJ	4,777,100	10/11/88	Chalilpoyil et al.			
	CK	4,767,687	08/30/88	LaBonte			
	CL	4,734,344	03/29/88	Choi			
	CM	4,636,445	01/13/87	Yamano et al.			
	CN	4,604,336	08/05/86	Nardi			
	CO	4,595,643	06/17/86	Koshiba et al.			
	CP	4,490,449	12/25/84	Moses et al.			
	CQ	4,478,921	10/23/84	Langan			
	CR	4,466,470	08/21/84	Bruder			
	CS	4,465,747	08/14/84	Evans			
	CT	4,455,358	06/19/84	Graham et al.			
	CU	4,427,751	01/24/84	Furukawa et al.			
	CV	4,421,834	12/20/83	Zupancic			
	CW	4,419,423	12/06/83	Leger			
	CX	4,405,699	09/20/83	Kruger			
	CY	4,379,817	04/12/83	Kozawa			
	CZ	4,378,414	03/29/83	Furukawa et al.			
	CAA	4,366,215	12/28/82	Coetzer et al.			

RECEIVED

APR 16 2003

Examiner Signature	Date Considered	OFFICE OF PETITIONS
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
08935-035004Application No.
10/042,750**Information Disclosure Statement**
by Applicant

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Douglas J. Woodnorth et al.Filing Date
May 22, 2002Group Art Unit
1745**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	DA	4,330,602	05/18/82	O'Rell et al.			
	DB	4,324,828	04/13/82	Ebato et al.			
	DC	4,310,609	01/12/82	Liang et al.			
	DD	4,306,005	12/15/81	Ruben			
	DE	4,281,046	07/28/81	Davis, Jr.			
	DF	4,297,231	10/27/81	Kahara et al.			
	DG	4,288,506	09/08/81	Coetzer et al.			
	DH	4,273,841	06/16/81	Carlson			
	DI	4,269,691	05/26/81	Deborski			
	DJ	4,268,589	05/19/81	Tamminen			
	DK	4,260,669	04/07/81	Kerg			
	DL	4,224,391	09/23/80	Eisenberg			
	DM	4,216,279	08/05/80	Mellors			
	DN	4,216,045	08/05/80	Morioka			
	DO	4,209,577	06/24/80	Clash			
	DP	4,209,574	06/24/80	Ruetschi			
	DQ	4,197,367	04/08/80	Deborski			
	DR	4,197,366	04/08/80	Tamura et al.			
	DS	4,192,914	03/11/80	Ruetschi			
	DT	4,177,157	12/04/79	Adams			
	DU	4,163,811	08/07/79	Kohlmayr et al.			
	DV	4,172,183	10/23/79	Ruetschi			
	DW	4,133,856	01/09/79	Ikeda et al.			
	DX	4,125,638	11/14/78	Watanabe et al.			
	DY	4,121,018	10/17/78	Kocherginsky et al.			
	DZ	4,112,205	09/05/78	Charkoudian et al.			
	DAA	4,105,815	08/08/78	Buckler			

RECEIVED

APR 16 2003

Examiner Signature

Date Considered

OFFICE OF PETITIONS

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	MAR 18 2003 U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08935-035004	Application No. 10/042,750
	Applicant Douglas J. Woodnorth et al.		
	Filing Date May 22, 2002	Group Art Unit 1745	

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	EA	4,027,231	05/1997	Lohrmann			
	EB	3,970,472	12/09/75	Steffensen			
	EC	3,925,102	09/16/75	Kasai			
	ED	3,905,835	09/16/75	Kasai			
	EE	3,894,889	07/15/75	Gillman et al.			
	EF	3,893,870	07/08/75	Kozawa			
	EG	3,379,569	04/23/68	Berger et al.			
	EH	3,306,776	02/28/67	Tamminen			
	EI	2,993,947	07/25/61	Leger			
	EJ	2,647,938	08/04/53	Taylor			
	EK	4,091,178	05/23/78	Kordesch			

Foreign Patent Documents or Published Foreign Patent Applications

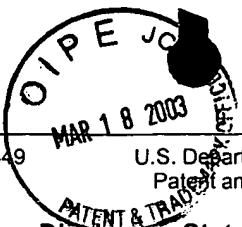
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	EL	WO 00/26761	05/00	PCT				
	EM	WO 99/05745	02/99	PCT				
	EN	10-268798	10/98	Japan				
	EO	WO 97/11360	03/97	PCT				
	EP	8-203567	08/96	Japan				
	EQ	0 501 609 A1	09/92	EPO				
	ER	63232266 A	28.09.88	Japan(Abstract)				
	ES	63218161 A	12.09.88	Japan(Abstract)				
	ET	62211863 A	17.09.87	Japan(Abstract)				
	EU	61-169781	07/86	Japan				
	EV	60,204,056	25.11.85	Japan				
	EW	8,409,433	03.06.85	Canada				
	EX	59014269 A	25.01.84	Japan(Abstract)				

RECEIVED

APR 16 2003

OFFICE OF PETITIONS

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08935-035004	Application No. 10/042,750
		Applicant Douglas J. Woodnorth et al.	
		Filing Date May 22, 2002	Group Art Unit 1745

Information Disclosure Statement
by Applicant
(Use several sheets if necessary)

(37 CFR §1.98(b))

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	FA	58189963 A	05.11.83	Japan(Abstract)				
	FB	58129764 A	02.08.83	Japan(Abstract)				
	FC	5753067	29.03.82	Japan (Abstract)				
	FD	57170455 A	20.10.82	Japan(Abstract)				
	FE	56-87021	07/81	Japan				
	FF	5679854	30.06.81	Japan (Abstract)				
	FG	09180736 A	11.07.97	Japan(Abstract)				
	FH	09115522 A	02.05.97	Japan(Abstract)				
	FI	09115516 A	02.05.97	Japan(Abstract)				
	FJ	08138686 A	31.05.96	Japan(Abstract)				
	FK	07335227 A	22.12.95	Japan(Abstract)				
	FL	07282802 A	27.10.95	Japan(Abstract)				
	FM	06045002 A	18.02.94	Japan(Abstract)				
	FN	05335006 A	17.12.93	Japan(Abstract)				
	FO	05225966 A	03.09.93	Japan(Abstract)				
	FP	04174964 A	23.06.92	Japan(Abstract)				
	FQ	01281672 A	13.11.89	Japan(Abstract)				
	FR	01035870 A	06.02.89	Japan(Abstract)				

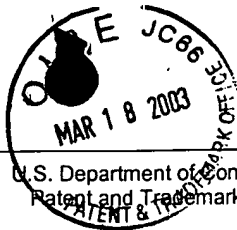
Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	FS	Test results of some prior art alkaline batteries (Undated)
	FT	Chemical and physical parameters of some prior art alkaline batteries (Undated)
	FU	"All Printed Bistable Reflective Displays: Printable Electrophoretic Ink and All Printed Metal-Insulator-Metal Diodes", Massachusetts Institute of Technology, 6/98, pps. 1-19.
	FV	"Electrophoretic Displays", J.C. Lewis, 1976, pps. 223-240
	FW	"Electrophoretic Displays", A.L. Dalisa, pps. 213-232
	FX	"The Reinvention of Paper", Scientific American, Sep. 1998, pp. 36, 40.

RECEIVED

APR 16 2003

OFFICE OF PETITIONS

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Sheet 7 of 7

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08935-035004	Application No. 10/042,750
		Applicant Douglas J. Woodnorth et al.	
	Filing Date May 22, 2002	Group Art Unit 1745	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	GA	"An Electrophoretic Ink for All-Printed Reflective Electronic Displays", Comiskey et al., Nature, vol. 394, Jul. 16, 1998; pp. 253-255
	GB	"Electronic Ink: A printable display system", Comiskey et al., Jun. 1997, pp. 1-3
	GC	"Easy Reader", J. Wilson, Popular Mechanics, 11/1998, pp. 94-96, 98

RECEIVED

APR 16 2003

OFFICE OF PETITIONS

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)